

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5570663".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 08:42
S2	2	schultz.in. and @pd="19961105"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 11:47
S3	2	ep-1295721-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:50
S4	0	ep-070565-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:50
S5	0	ep-0070565-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:51
S6	0	ep-0993947-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:51
S7	2	ep-993947-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:51
S8	2	ep-70565-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:51

## EAST Search History

S9	2	de-4218761-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:52
S10	2	de-19832892-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 12:12
S11	2	"20060219109".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 12:12
S12	2	Cadillac-Felip-Ferrer .in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 13:46
S13	0	Cadillac-Felip.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 12:12
S14	1114	101/181.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 13:46
S15	507	101/183.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 13:46

## EAST Search History

S16	458	101/178.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 13:46
S17	284	101/171.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 13:46
S18	1365	101/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 14:04
S19	3	d'annunzio-federico.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:39
S20	399683	(triangle or triangular)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:39
S21	50	S18 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:45
S22	765346	register or registration or registering	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:46
S23	355	S18 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:02
S24	55	S23 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:03
S25	350	(S14 and S22) not S24	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:04
S26	8375	(support or supporting) adj drum	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:03
S27	1	S23 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:03

## EAST Search History

S28	0	S25 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:03
S29	30	("0293313"   "0558592"   "1095527"   "1399360"   "1401422"   "1440787"   "1911325"   "2084281"   "2151961"   "3179045"   "3190218").PN. OR ("4499826"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:08
S30	21	("3190218").URPN.	USPAT	OR	ON	2007/11/08 16:08
S31	55	("2866407"   "3163109"   "3594552"   "3701464"   "4007683"   "4072104"   "4309945"   "4318176"   "4363270"   "4413560"   "4449450"   "4495583"   "4514819"   "4690051"   "4731542"   "4896600"   "5060570"   "5074205"   "5092242"   "5125339").PN. OR ("5570633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:21
S32	32	S31 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 16:06
S33	24	("0637564"   "1847639"   "1847708"   "1972506"   "2887312"   "2911908"   "3013487"   "4909148"   "5083511"   "5239924"   "5479856"   "5570633"   "5660108"   "5706725").PN. OR ("6220157").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:08
S34	10	S33 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:53
S35	15	("1952028"   "2962962"   "2989918"   "3098434"   "3179045"   "3934502"   "4520728").PN. OR ("5083511"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/12 20:17
S36	15	("3604350"   "3800698"   "4231292"   "4309945"   "4413560"   "4602562"   "4833982").PN. OR ("4896600"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:08
S37	11	("2802666"   "3594552"   "3701464").PN. OR ("4450766"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:36

## EAST Search History

S38	321	101/486.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:36
S39	636	101/485.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:36
S40	23	S18 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:37
S41	33	(S18 and S39) not S40	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:37
S42	15	S38 and S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:47
S43	38	(S39 and S14) not S42	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:48
S52	284	101/171.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/10 15:56
S53	1365	101/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/10 15:56
S54	1114	101/181.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/10 15:56
S55	507	101/183.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/10 15:56

## EAST Search History

S56	458	101/178.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/10 15:56
S57	321	101/486.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 15:56
S58	636	101/485.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 15:56
S59	765346	register or registration or registering	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 15:59
S60	355	S53 and S59	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 15:59
S61	878	S53 not S60	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 16:50
S62	4	("20030134732"   "5513566"   "6647880"   "6796226").PN. OR ("7222568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/12 20:56
S63	298	S57 not (S53 or S60)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 16:58
S64	562	S58 not (S57 or S53 or S60)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 16:50
S65	158	(S57 and S59) not (S53 or S60)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 16:59
S66	140	S57 not (S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 17:03
S67	562	S58 not (S57 or S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 17:11
S68	755	S54 not (S58 or S57 or S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 17:17
S69	378	S56 not (S54 or S58 or S57 or S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 17:31

## EAST Search History

S70	382	S55 not (S56 or S54 or S58 or S57 or S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/10 17:43
S71	198	S52 not (S55 or S56 or S54 or S58 or S57 or S53 or S60 or S65)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S72	11	("4546700"   "4690051"   "4932320"   "5056430"   "5138667"   "5327826"   "5412577"   "5813337"   "6065400"   "6085658"   "6199480").PN. OR ("7131379").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/12 20:55
S73	0	WO-03066332-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/12 20:18
S74	1	WO-3066332-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/12 20:18
S75	12	("4429630"   "4534288"   "4546700"   "4602562"   "4694749"   "4896600"   "4953461"   "5056430"   "5771805"   "5887526"   "6615732"   "6634297").PN. OR ("7100509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:50
S76	17	("4177730"   "4366753"   "4391190"   "4484522").PN. OR ("4690051").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/12 20:56
S77	1114	101/181.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:46

## EAST Search History

S78	1365	101/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:46
S79	765773	register or registration or registering	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S80	355	S78 and S79	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S81	55	S80 and S77	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S82	350	(S77 and S79) not S81	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S83	126629	optical with sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S84	321	101/486.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:46
S85	636	101/485.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S86	3564	S83 same S79	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S87	284	101/171.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:47
S88	1365	101/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:47



## EAST Search History

S89	1114	101/181.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:47
S90	507	101/183.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:47
S91	458	101/178.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 10:47
S92	321	101/486.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S93	636	101/485.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S94	765773	register or registration or registering	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S95	355	S88 and S94	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S96	158	(S92 and S94) not (S88 or S95)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:47
S97	3806	(S87 or S90 or S91 or S89 or S93 or S92 or S88 or S95 or S96)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:49
S98	36	S97 and S86	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 10:50

## EAST Search History

S99	48	(US-20060219109-\$ or US-20070006749-\$ or US-20050016406-\$ or US-20040129154-\$ or US-20040129153-\$ or US-20030029338-\$).did. or (US-4602562-\$ or US-4896600-\$ or US-7281475-\$ or US-7131379-\$ or US-5806430-\$ or US-5570633-\$ or US-6622621-\$ or US-6796240-\$ or US-6782814-\$ or US-4450766-\$ or US-6698350-\$ or US-6637327-\$ or US-6539859-\$ or US-6085658-\$ or US-4690051-\$ or US-4445432-\$ or US-4135960-\$ or US-6684772-\$ or US-6220157-\$ or US-6199480-\$ or US-5813333-\$ or US-5327826-\$ or US-7100509-\$ or US-5471929-\$ or US-5083511-\$ or US-5732626-\$).did. or (US-6796226-\$ or US-6644188-\$ or US-5370047-\$ or US-6176181-\$ or US-5048418-\$ or US-5009157-\$ or US-5010813-\$).did. or (US-3179045-\$ or US-3190218-\$). did. or (EP-1295721-\$ or EP-70565-\$).did. or (EP-1295721-\$ or DE-4218761-\$ or DE-3149195-\$ or EP-993947-\$ or DE-19832892-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/11/13 11:11
S10 0	7	S99 and S83	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 11:22
S10 1	12	S99 and optical	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 11:11
S10 2	5	S101 not S100	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 11:22
S10 3	1	(10/502042).APP.	USPAT; USOCR	OR	ON	2007/11/13 11:32
S10 4	1365	101/211.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 14:48
S10 5	1	"4177730".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 14:48

## EAST Search History

S10 6	17	("4177730"   "4366753"   "4391190"   "4484522").PN. OR ("4690051").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 15:22
S10 7	1	"4462311".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:21
S10 8	53	("2583580"   "2802666"   "3084621"   "3264983"   "3552308"   "3570735"   "3594552").PN. OR ("3701464"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:30
S10 9	36	("3594552").URPN.	USPAT	OR	ON	2007/11/13 16:34